a judgement section for evaluating the static and/or dynamic characteristics of the machine tool on the basis of a detection signal detected by the sensor and the reference values stored in the reference value storage section for judgement on the acceptability of the characteristics; and

an output device for outputting a judgement result obtained by the judgement section,

wherein the sensor includes at least one of a rotation sensor for detecting the number of rotations of the main spindle, temperature sensor for detecting the temperature of the machine tool, acceleration sensor for detecting the acceleration acting on the machine tool, displacement sensor for detecting displacement of a predetermined portion of the machine tool, and a noise meter for detecting noise caused by the machine tool.

5. (Amended) A machine tool maintenance system according to Claim 1, ~~3~~, or ~~4~~, further comprising a drive signal generator which generates a drive control signal to operate the main spindle unit and/or feeder for a trial and transmits the generated drive control signal to the machine tool.